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1. Martineau-Doize B, Trepainier BH, Martineau GP: Distribution of atrophy in the nasal ventral conchae of piglets infected experimentally with *Bordetella bronchiseptica*. *Can J Vet Res* 55(3):229–233, 1991.
2. Visser IJR, Van den Ingh TSGAM, De Kruijf JM, et al: Atrofische rhinitis: The use of longitudinal sections of pig's heads in the diagnosis of atrophy of the turbinate bones at the slaughter line. *Jijdschr Diergeneesk* 113(24):1345–1355, 1988.
3. Drummond JG, Curtis SG, et al: Effects of atmospheric ammonia on young pigs experimentally infected with *Bordetella bronchiseptica*. *Am J Vet Res* 42(6):963–968, 1981.
4. Neumann R, Mehlhorn G, et al: Experimental studies of the effects of chronic aerogenous toxic gas exposure of unweaned piglets with ammonia of venous cones. *J Vet Med B* 34(4):241–253, 1987.
5. Schultz R: Program for health: What about rhinitis? *Hog Farm Manage*, September, 1985.
6. Christianson WT, Joo HS: Porcine reproductive and respiratory syndrome: A review. *Swine Health Prod* 2(2):10–28, 1994.
7. Goodwin R: Atrophic rhinitis of pigs. *In Pract* Jan:5–12, 1980.
8. Mefford DE, Swafford WS: The efficacy of long-acting oxytetracycline and/or *Bordetella/Pasteurella* bacterin in a swine herd with enzootic atrophic rhinitis. *VM SAC Dec*:1911–1916, 1983.
9. Rutter M: Atrophic rhinitis. *In Pract*:March 76–80, 1989.
10. De Jong MF: (Progressive) atrophic rhinitis, in Leman AD (ed): *Diseases of Swine*. Ames, IA, Iowa State University Press, 1992, pp 414–435.

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